Module main ()

//Declare sum variable to store sum of all numbers

Double sum = 0

//Defining user input

Display ""You will enter 10 numbers that will be stored in an array. "

//Defining array name, variable type, and array size

Double[] numbers = new Double [10]

//For loop that gathers user input for each index of the array

For (int i = 0; i < 10; i++)

//Displays where user input in going

Display "Enter Number " + (i+1) + ": "

Input numbers[i]

//Equation that calculates the sum of all numbers in array as they are input

sum += numbers[i]

End for

//For loop that calculates the highest number in the array

Double max = numbers[0]

For (int i = 1; i < 10; i++)

If (numbers[i] > max)

//If statement to make max equal to the highest number in the array

max = numbers[i]

End if

End for

//For loop that calculates the lowest number in the array

Double min = numbers[0]

For (int i = 1; i < 10; i++)

If (numbers[i] < min)

//If statement to make min equal to the lowest number in the array

min = numbers[i]

End if

End for

//Calculates the average using the sum and array length

Double average = sum / 10

//Sort array using java.itil.Arrays

java.util.Arrays.sort(numbers)

//Loops through the array to print out each value in the array

Display "Sorted List"

For (int i = 0; i < numbers.length; i++)

Display numbers[i] + " "

End for

//Prints out the stored variables: max, min, sum, and average

Display "Largest = " + max

Display "Smallest = " + min

Display "Sum = " + sum

Display "Average = " + average

End Module